

**ABSTRACT**

A hydrodynamic bearing system, having a bearing sleeve and a shaft inserted into an inner cylindrical bore of the bearing sleeve. A bearing gap is formed between the shaft and the bearing sleeve, the bearing gap being filled with a lubricating oil. A shield encloses the bearing sleeve. The shield is secured at to an end surface of the bearing sleeve at a position on the end surface that is distanced from the bearing gap. The shield does not contact the lubricating oil.